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1. Installation

1.1. HDD Installation

1. Ensure Power supply has been disconnected, open the case cover;
2. Connect HDD data line, power line first , then fix the HDD in the case;
3. Install the cover, connect the power, which with adaptor, press the power switch;
4. Formatting the HDD (Please check details from : System Setup—Peripheral—Storage Device—Formatting);
5. NVR can normally make snapshot and video.

1.2. Remote Operation



No.	Name	Description									
1	POWER	Press for about 3-5 seconds to shut down the NVR.									
2	DEV	Device match ID, can make the Remote and NVR one-to-one control, take 【4.6.3.2 Device No.】 for reference.									
3	No. Key	1.can make the channel full screen 2.can input numbers and English character.									
4	ALL	Switch to multi-channels mode									
5	MENU	Press this key , it will recycling show Right Click Menu, Main Menu and Status Menu									
6	ESC	Close the upper operation interface;									
7	Direction Keys	1. To simulate mouse moving; 2. Select PTZ channel, while no interface can make PTZ turning. OK is confirm/select function									
8	FN	Popup system settings screen									
9	Playback Key	In turns: <table border="1"> <tr> <td>Play/back</td><td>Play</td><td>Pause</td></tr> <tr> <td>Frame play</td><td>Fast Forward</td><td>Fast Backward</td></tr> <tr> <td>Play Slowly</td><td>Stop</td><td>REC</td></tr> </table>	Play/back	Play	Pause	Frame play	Fast Forward	Fast Backward	Play Slowly	Stop	REC
Play/back	Play	Pause									
Frame play	Fast Forward	Fast Backward									
Play Slowly	Stop	REC									
10	PTZ	ZOOM+/-: Adjust PTZ camera lens distance; Cruise: open/close cruise line									
11	SHIFT	Switch between English uppercase letters and lowercase letters									

1.3. Previewing window Icon Description

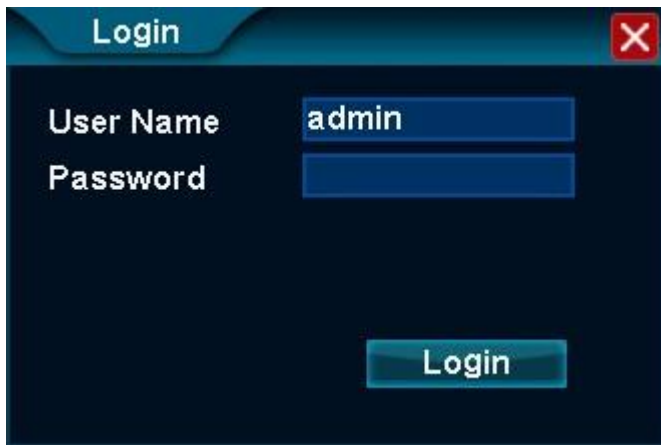
Icon	Description
	Means recording
	Means client-end is linking this channel.
 (Yellow)	means that this channel is set alarm, but is not triggered
 (Red)	Means the alarm is triggered.
	Means this window voice monitoring close.
	Means this window voice monitoring open.

2. Fast Operation

2.1. Normal Login

After starting system, it will popup [Login] screen, after user login can make other operation.

Remarks: If cancel [System Setup/General/General/Display Wizard] function, the login prompt won't given unless users operate the NVR.



1. [User Name] input default user name 'admin';
2. [Password] is empty, that is nothing input;
3. Single click [Login], then finish login operation.

Remarks: If login failure for 3 times, mouse will be locked for 10 seconds, NVR will alarm until login successfully .

2.2. Temporary Login

If forget user name and password and make login failure, can use temporary login.

Steps:

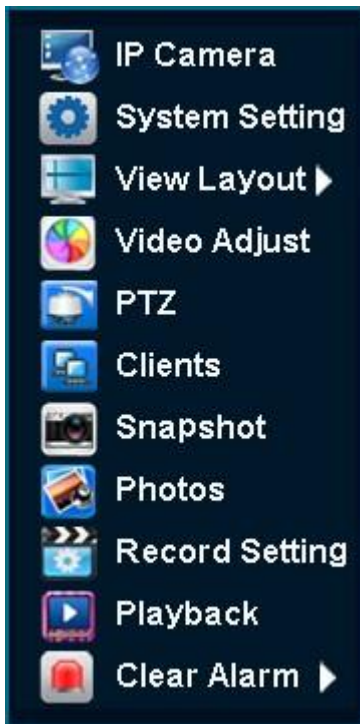
1. Error login again, note [Errcode],
2. Contact with customer service, they will tell a temporary user name and password.



3. Menu Operation

Menu Operation is functions at [Right Click Menu] and [Main Menu],in order to make operation more easily.

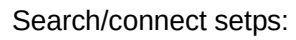
Menu function as follows



Right Click Menu: System Setup, View Layout , Video Adjust, PTZ, Clients, Snapshot, Photos, Record Setup, Playback, Clear Alarm;



Main Menu: : System Setup, View Layout(3 layout), Sequence Interval, Zoom, Video Adjust, PTZ, Snapshot, Photos, Record Setup, Playback, Shutdown.



1. Right click|system setting|network| set the IP of this NVR;
2. Right click|Ipcamera,click[search],then can search the ip camera in this lan;
3. Click any ip camera,click button [>],can put this ip camera into the right device list,and connected successful;
4. Click the button [>>],can put all ip camera into the right device list,and connected all successful.

Unconnect setps:

Click any ip camera of the right device list,Click [<],can unconnected this connection.Click [<<],can unconnect all connection.

When reset this NVR again ,can search and connect the ip camera automatically

3.2. View Layout

Function Location: Right Click Menu:



Main Menu:



Function Summary: while previewing, it can adjust screen distribution mode, can choose View1, View2 (Picture in Picture), View4, etc.

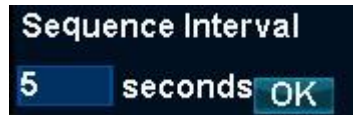
3.3. Sequence Interval

Function Location: Main Menu: 

Function Summary: [Sequence interval] can show the previewing screen in turns, after finishing Sequence Interval, the screen layout will be the same with that before this function.

1. Setup how time interval ;

2. Single click [OK], then start 'Sequence Interval'



3. Single click  button, can stop Sequence interval function.

3.4. Video Adjust

Function Location: Right Click Menu:  **Video Adjust**

Main Menu: 

Function Summary: can setup different video effects during different time range.

For Example: Session1 can setup as Day effect, Session2 setup as Night effect.

Steps:

1. From Right Click Menu or Main Menu, Single click video Adjust Icon;
2. Select channel need adjusting ;
3. Mode select [Session 1], setup the effective time range;
4. Remarks: Session 1 default as the whole day
5. Manually Adjust [Contrast, Chroma, Hue, Sharpness] ;
6. Remarks: Also can single click [Standard, Soft, Bright] for speedy settings.
7. Single Click [Save] to take effect.
8. Remarks: [Copy] can copy this setup to all channels.

3.5. Session 2

Steps:

Setup steps of Session2 is the same with Session1.

Remarks: change Session2 valid time range into Night (for example 17:30~06:00), it will be night mode.

3.6.Zoom

Function Location:: main menu:



Function Summary: To enlarge the picture part of the contents of the target channel.



Steps:

1. Click the button ;
2. Click the channel;

3. Click the picture or Drag the zoom area, then can zoom the the selected picture;
4. Right click can exit zoom.

3.7. PTZ

Function Location: Right Click Menu:



Main Menu:



Function Summary:

1. [PTZ Adjust] can adjust PTZ lens direction, Iris, Focus, Zoom, Speed.
2. [Preset positions Cruise] can adjust Preset Positions, Cruise Line, Aux.

3.7.1. PTZ Adjust



PTZ Adjust Steps:

1. Right Click Menu or Main Menu select [PTZ Control];
2. Change Channel No. into PTZ Channel;
3. Remarks: After selecting, it will be full screen showing; single click [16 View] can get multi-screen;
4. Change PTZ moving speed;
5. Single click up/down/right/left button to adjust PTZ lens direction;
6. Remarket: [Auto] can make PTZ Horizontal roll.
7. Single click [Iris/Focus/Zoom] can adjust brightness, focus, and image resizing.

Single Click [More] enter '3.4.5.2 Preset point Cruise'

3.7.2. Preset Point Cruise

Include Aux function, Preset, Patrol.

3.7.3. Aux Function



1. Choose 'AUX' function No;
2. Single click [AUX OPEN] can open corresponding function, for example wiper;
3. Single click [AUX CLOSE] can close the function.

3.7.4. Preset



1. Choose 'Preset No.', for example :1;
2. Single click [Goto] can invoke the preset point.

3.7.5. Patrol



1. Single click [Patrol] , PTZ enter cruising condition;
2. Single click [Stop] , PTZ stop cruising.

3.8. Clients

Function Location: Right Click Menu:



Function Summary:

1. Count client-end numbers that connecting with the NVR;

2. Disconnect any connection, or disconnect all connections.



All client-end connection information: channel, IP, Port, and Connections all information can check here.

Disconnect Steps:

1. From the list, select any channel to connect;
2. Single click [Disconnect] , can disconnect the remote connection;
3. Single click [Disconnect All], can disconnect all remote connection.

3.9. Snapshot

Snapshot function includes [Snapshot], [Photos] two functions.

Function Location: Right Click Menu:  **Snapshot**

Main Menu: 

Function Summary: : can make snapshot of object image and store into the HDD.

Steps:

1. Right click Right Click Menu or Main Menu [Snapshot];
2. [Remarks: enter snapshot condition; the mouse icon will change into camera icon.](#)
3. Move into snapshot screen, single left click can get the snapshot, check the picture for prompt;
4. Right click can cancel snapshot condition.

3.10. Photos

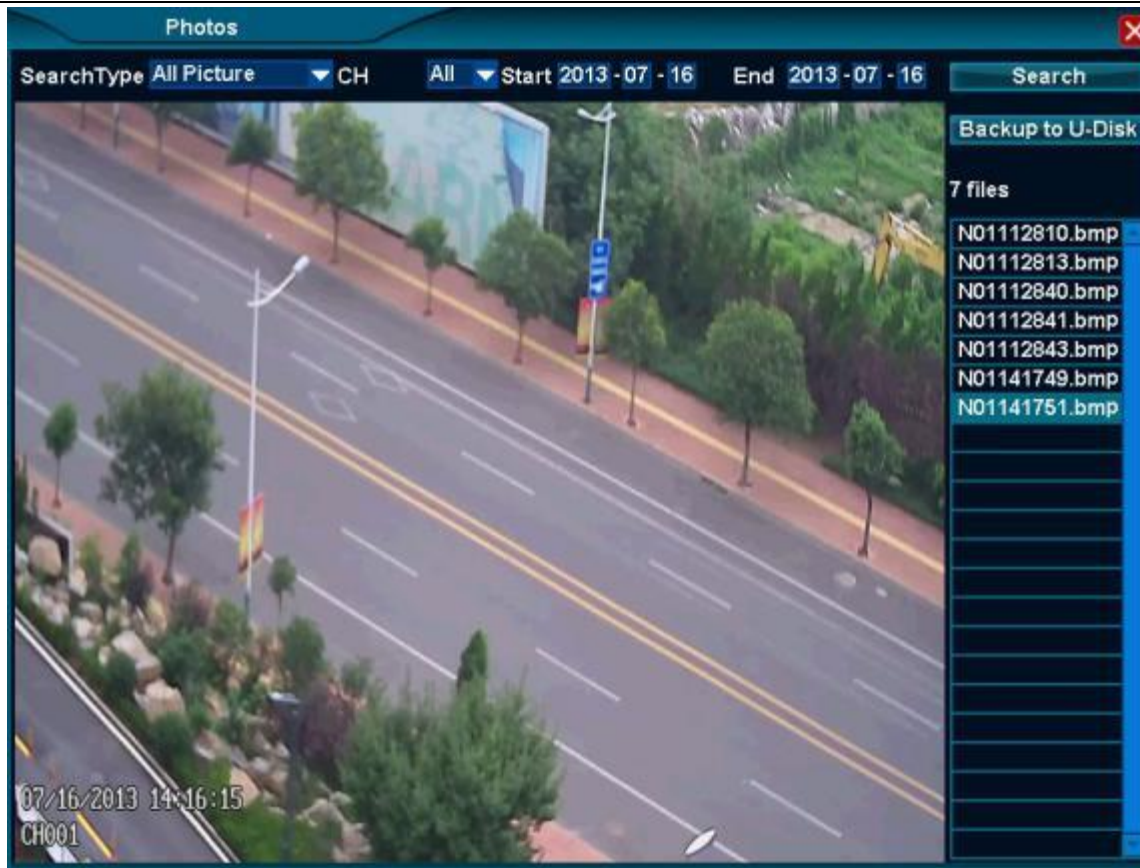
Function Location: Right Click Menu:  **Photos**

Main Menu:



Function Summary:

1. Can query the snapshot stored in the NVR, include Manual Snapshot, Alarm Snapshot, Record Snapshot.
2. Can copy the snapshot into USB disk.



3.10.1. Snapshot Query

Steps:

1. [Search Type] choose snapshot type, default is All Picture;
2. [Channel] choose the channel for snapshot, default is All channels;
3. [Start] ~[End] is snapshot time range (Longest is 1 month), default is 'today' ;
4. [Search] button, single click, then the right list can show the eligible snapshot.

Remarks: [single click can show the snapshot contents.](#)

3.10.2. Picture Backup

Steps:

1. Connect FAT32 format U disk into the NVR USB port;
2. Single click to choose a picture and it can only choose one;
3. Single click [Backup to USB], after the prompt shown backup successfully can take away the U disk.

3.11. Record Function

Record function includes:

1. **Record Setup:** open/close Manual Record (default is open), open/close Scheduled Record;
2. **Playback:** Query, Playback, Backup.

3.11.1. Record Setup

Function Location: Right Click Menu:



Main Menu:



Function Summary:

1. Can open/close each channel Manual Record;
2. Can open/close each channel Scheduled Record?

3.11.2. Manual Record



Step I: Open Manual Record

1. Right Click Menu or Main Menu .Select [Record Setup];
2. Select channel, and choose 'Manual' option;

Remarks: [Copy] can make the settings apply to all channels

3. Single click [OK] to open Manual Record ;

Remarks: Recording channel has the icon: , Manual Record default is open .

Steps II: Close Manual Record

1. Choose the channel, cancel 'Manual' Option;

Remarks: [Copy] can apply the settings to all channels.

2. Single click [OK] TO CLOSE Manual Record function.

3.11.3. Scheduled Record



The 'Record Setup' dialog box features a table with 8 channels. Each channel has a 'Manual' checkbox (all checked) and a 'Scheduled' section with a 'Set' button and a time range input field. The 'Set' buttons are highlighted with a red border. Below the table are 'Copy', 'Default', 'OK', and 'Cancel' buttons.

Channel	Manual	Scheduled	
01	☒	☐ Set	
02	☒	☐ Set	
03	☒	☐ Set	
04	☒	☐ Set	
05	☒	☐ Set	
06	☒	☐ Set	
07	☒	☐ Set	
08	☒	☐ Set	

Copy Default OK Cancel

Step I: Open and Setup Scheduled Record

1. Right Click Menu or Main Menu. Select [Record Setup];

2. Select channel, and choose 'Scheduled' option;

Remarks: [Copy] can make the settings apply to all channels

1. Single click [Set] to modify Scheduled Record time range;

Remarks: Scheduled Record can be divided into 2 time ranges.

2. Single click [OK] to OPEN Scheduled Record

Remarks: channel has the icon: .

3.12. Playback

Function Location: Right Click Menu:



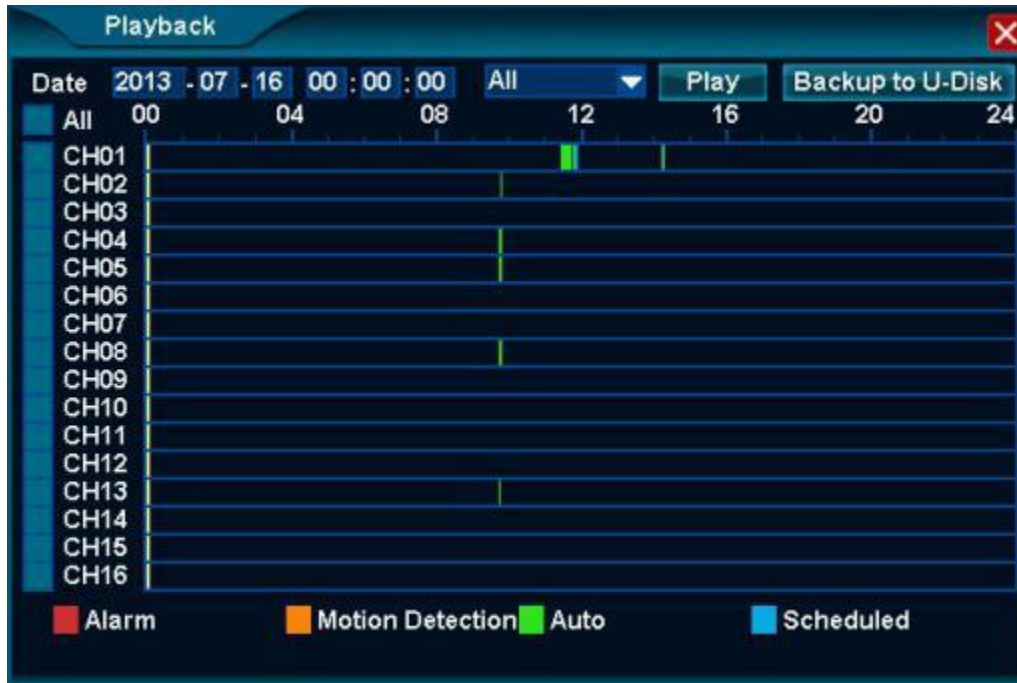
Main Menu:



Function Summary:

1. It can query, playback record file of any channel;
2. It can backup file into U disk.

3.12.1. Query Playback

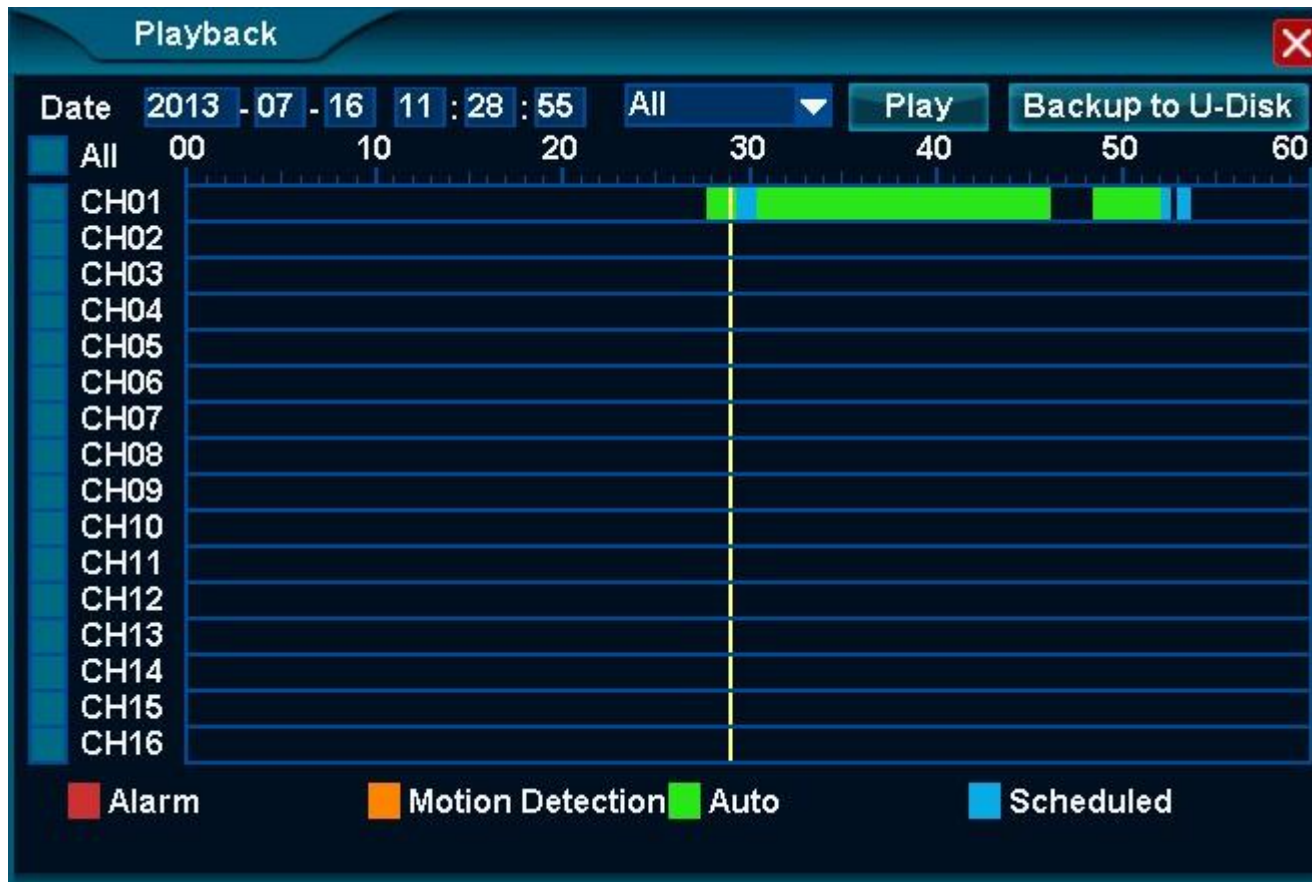


Operation Steps:

1. Right Click Menu or Main Menu[Playback] ;
2. Modify playback starting date and time

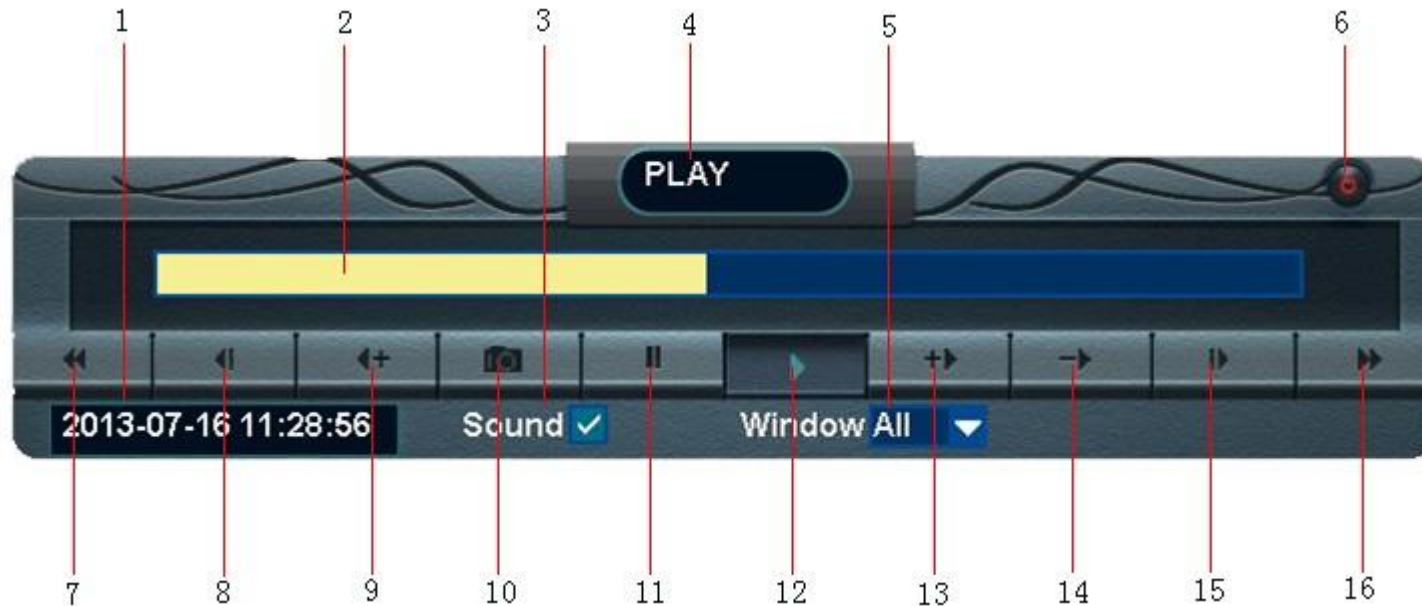
Remark: Also can click to choose playback position, double click open minute view as follows, double click again back to hour view.

3. Choose video type: Scheduled/ Manual/ Alarm/ Motion Detection ;
4. Choose playback channel , can multi-select or all select;
5. Single click [Play] button, can display the video.



3.12.2. Playback Adjusting

When playback, users can adjust the speed and progress.

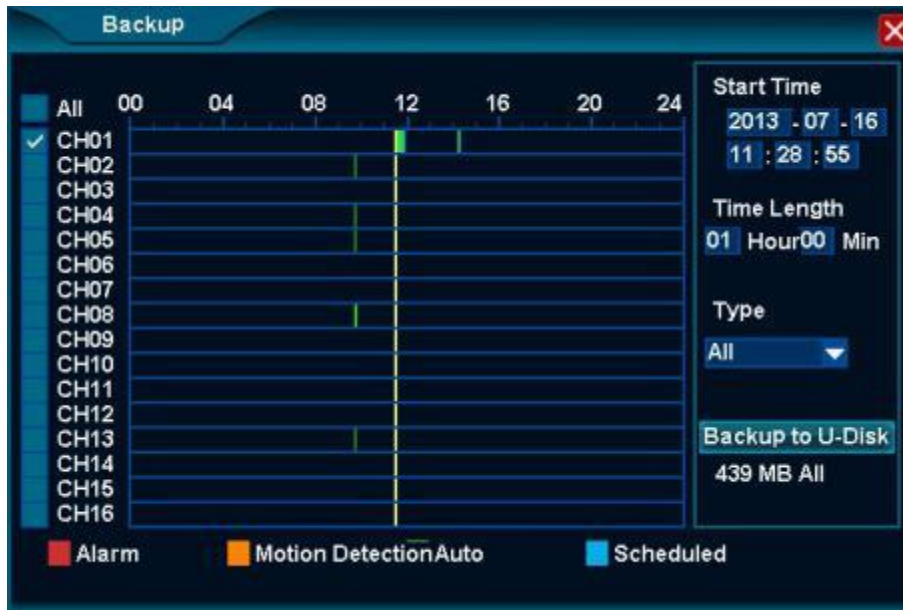


Serial No.	Name	Description	Serial No.	Name	Description
1	Playback time	Current playback time	9	Fast Backward	Fast backward display, single click to switch X8/X16
2	Progress Bar	Progress of the current playback file in 1 hour	10	Snapshot	Snapshot for object screen
3	Sound	Open/close sound playback	11	Pause	Pause display
4	Condition	Playback Condition	12	Display	Display the video
5	Window	Choose the operation window	13	Fast Display	Accelerate display , single click to switch X2/X4/X8/X16

6	Shutdown	Exit the playback	14	Slow Display	Decelerate display, single click to switch X1/2 X1/4 X1/8 X1/16
7	A Hour Ago	Choose the window and playback the video a hour ago	15	Single Frame	Each single click can go ahead 1frame
8	Backward	Each single click chosen widow ,it will back up 2S	16	Next a Hour	Choose the window and display the video next hour

3. 12. 3. Backup

It can backup the record file into U disk.



Operation Steps:

1. Single click [Backup] , open the backup interface;
2. Modify the backup start time;
3. Modify the backup time range;
4. Choose Record Type, Scheduled/ Manual/Alarm/ Motion detection record;
5. Choose backup channel;
6. Single click [Backup] to backup the file selected into U disk;
7. Install the display plug-in, then can use Media Player to display the backup file.

3.13. Clear Alarm



Function Location: Right Click Menu:

Function Summary: can clear some channel or all channel Alarm effect.

Operation Steps:

1. Right click alarming channel, choose [Clear Alarm/ Current] can clear alarming of current channel;
2. Right click all channels, choose [Clear Alarm/ Clear All] can clear alarming of all channels.

3.14. Shutdown



Function Location: Main Menu:

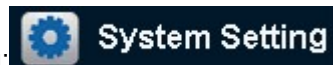
Function Summary: can Logout, Shutdown and Restart.



Function Location: Main Menu:

Function Summary: can Logout, Shutdown and Restart.

4. System Setup



Function Location: Right Click Menu:

Functional Structure

Category	Group	Function Point
General	General	Language, NTSC/PAL, Transparency, VGA Resolution, Wizard, Speedy Function
	Time	Date, Time, Auto Synchronize Time, Time zone Setting
	User	Local user, Network User, Automatic Logout
Channel	Preview	Ch Name, OSD Position, Hide Video, Privacy Mask
	Stream	Main Stream, Minor Stream
	Audio	Audio Compress, Audio Monitoring, Bind with Video
Network	Setting	Dialing Setting, IP Setting
	Service	WebCC, Bi-directional Talk
Alarm	Motion Detection	Motion Detection Alarm Setup, Alarm Output
	No Video	Video Loss Alarm Setup, Alarm Output
	Alarm Device	Alarm Device Alarm Input Setup, Alarm Output
	Alarm Task	Motion Detection, No Video, Alarm Device, Start Time/ End Time Setting of Alarm input
	E-mail	Alarming E-mail Server, Sender Setting, Receiver Setting
System	Log	Log Query, Backup
	Maintenance	Reboot Setup, Update, Reset Factory, Import Setting, Export Setting
	Information	Product Model, Serial Number, Software Version, Hardware Version Software Release Time
Device	Storage	Storage device condition, Format

	PTZ	PTZ Setting, Preset, Patrol
	Other Device	Width of Monitor, Height of Monitor, Device ID, Main Display Device

4.1. General

Functions:

General: for example: Language, NTSC/PAL, Transparency, VGA Resolution, Display Device ID, Wizard, etc.;

Time: for example date format, Set Date/Set Time, Auto Synchronize Time, Time zone setting;

User: Local User, Network User Add/Delete/ Edit.



4.1.1. VGA Resolution

Function Location: General/General/VGA Resolution

Function Summary: Modify resolution of the NVR output to display.



Remarks: After modifying the resolution, if not confirm in 10 seconds, it will automatically cancel in order to avoid problem of display doesn't support large resolution

4.1.2. Wizard

Function Location: General/General/Function Demo

Function Summary: display as a demo, guide the user to make speedy setup

4.1.3. Time

Function Location: General/Time

Function Summary: Setup system time, for example Set date, Set Time, Timezone Setting, Auto Synchronize Time, etc.



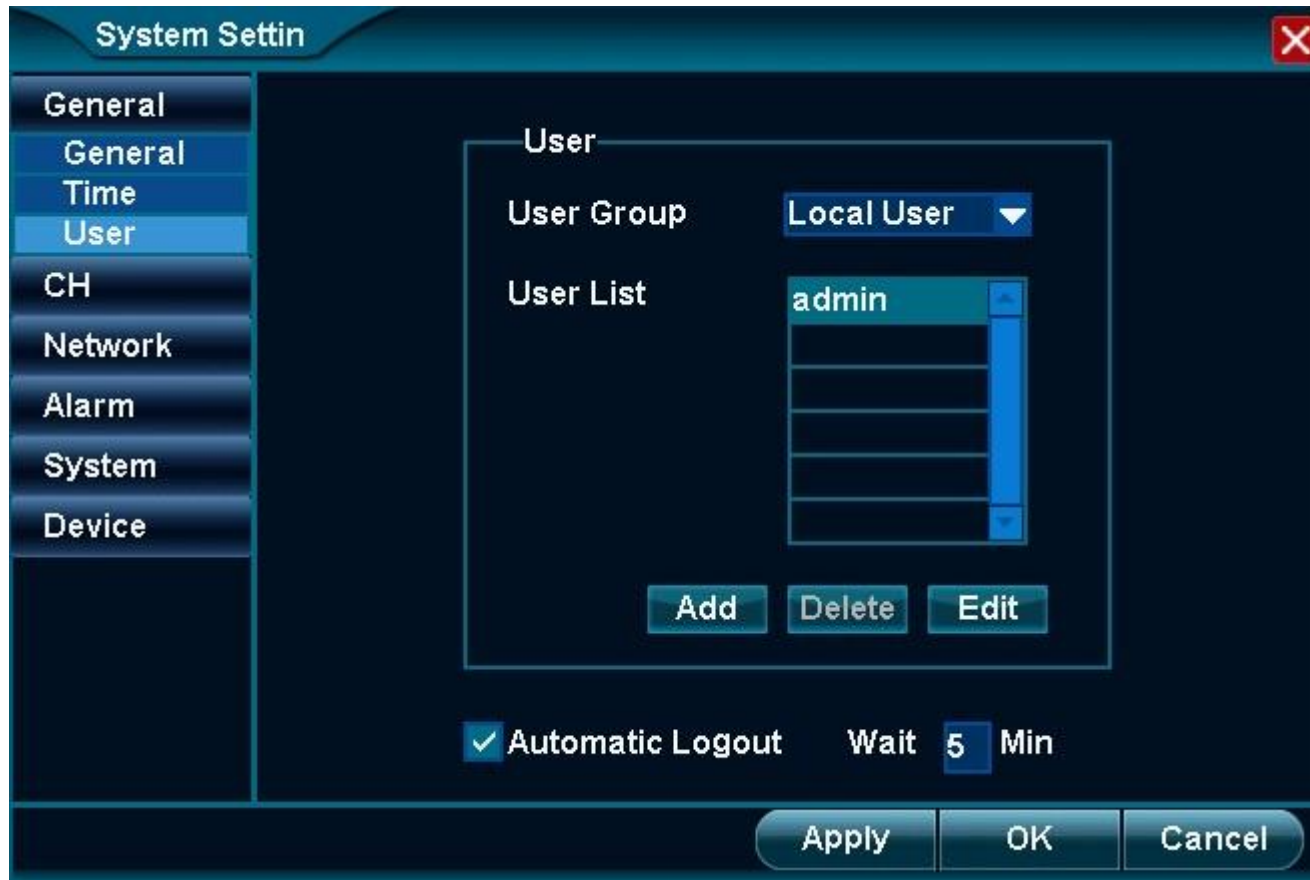
4. 1. 4. User

4. 1. 4. 1. Local User

Function Location: General/ User/ Local User

Function Summary:

1. It allows local users login the NVR and make allowed operation;
2. It allows add/edit/delete local users.





The image shows a 'Local User' dialog box with a dark blue background and a lighter blue header. The header contains the text 'Local User' and a red close button with a white 'X'. Below the header, there are two input fields: 'User Name' and 'Password'. Underneath these fields, there are two columns of checkboxes. The left column contains: 'Record Management', 'Clients', 'PTZ', 'Quit', and 'Other'. The right column contains: 'Snap Management', 'System Setting', 'Video Adjust', and 'IP Camera'. At the bottom of the dialog box, there are four buttons: 'All', 'None', 'OK', and 'Cancel'.

Automatic Logout

Function Location: General/ User/ Automatic Logout

Function Summary:

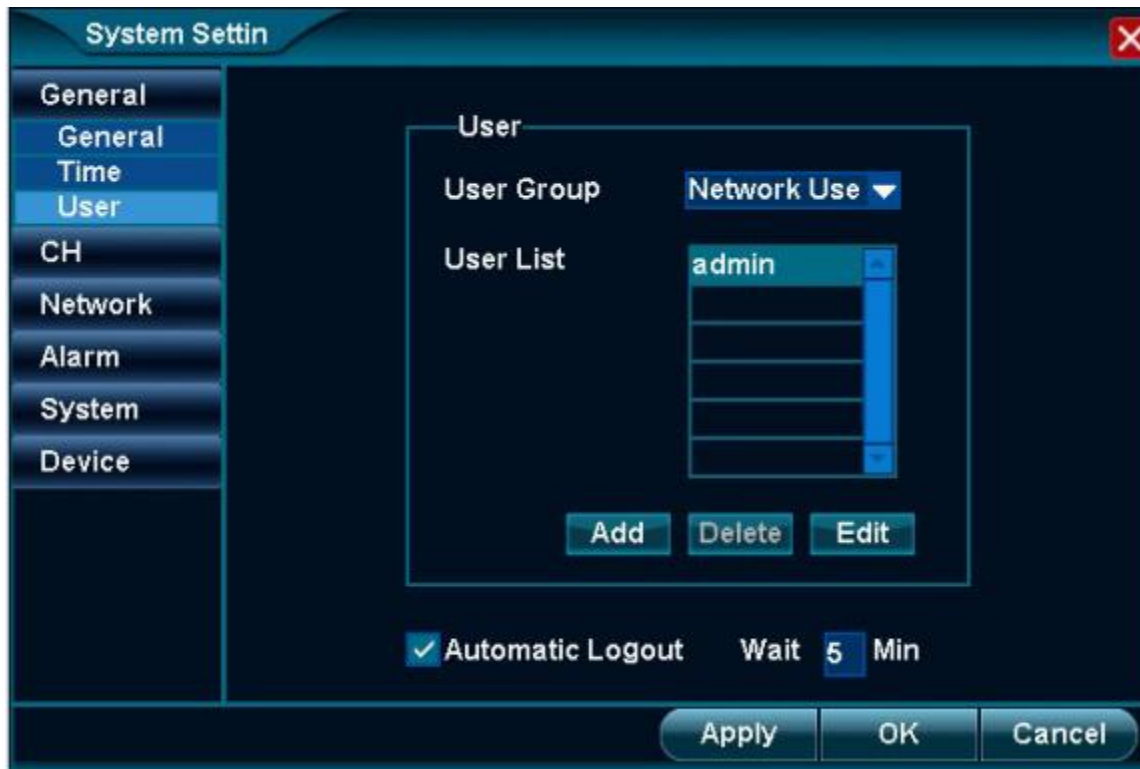
1. As User operation upto the duration set, it will automatically logout (1-99 mins);

2. Users need to login again to continue the operation t, this function in order to improve the safety.

4. 1. 4. 2. Network User

Function Location: General/ User/ Network User

Function Summary: while remote monitoring, this setting will be as the user name and password in client-end.





The image shows a 'Network User' dialog box with a dark blue background and a title bar. The title bar contains the text 'Network User' and a red close button. The dialog box has two input fields for 'User Name' and 'Password'. Below these are two columns of checkboxes. The first column contains 'PTZ', 'System Setting', and a grid of 16 checkboxes labeled 'CH01' through 'CH16'. The second column contains 'Playback' and 'Other'. At the bottom, there are four buttons: 'All', 'None', 'OK', and 'Cancel'.

Network User

User Name

Password

☐ PTZ ☐ Playback

☐ System Setting ☐ Other

☐ CH01	☐ CH02	☐ CH03	☐ CH04
☐ CH05	☐ CH06	☐ CH07	☐ CH08
☐ CH09	☐ CH10	☐ CH11	☐ CH12
☐ CH13	☐ CH14	☐ CH15	☐ CH16

4.2. Channel

Function: 1.**Preview setting**: Channel name, OSD position, Hide video, Privacy mark;

2.**Code stream setting**: Main code stream image size and code rate; minor code stream image size, kbps, fluency

3.**Audio setting**: Audio compression, Audio monitoring

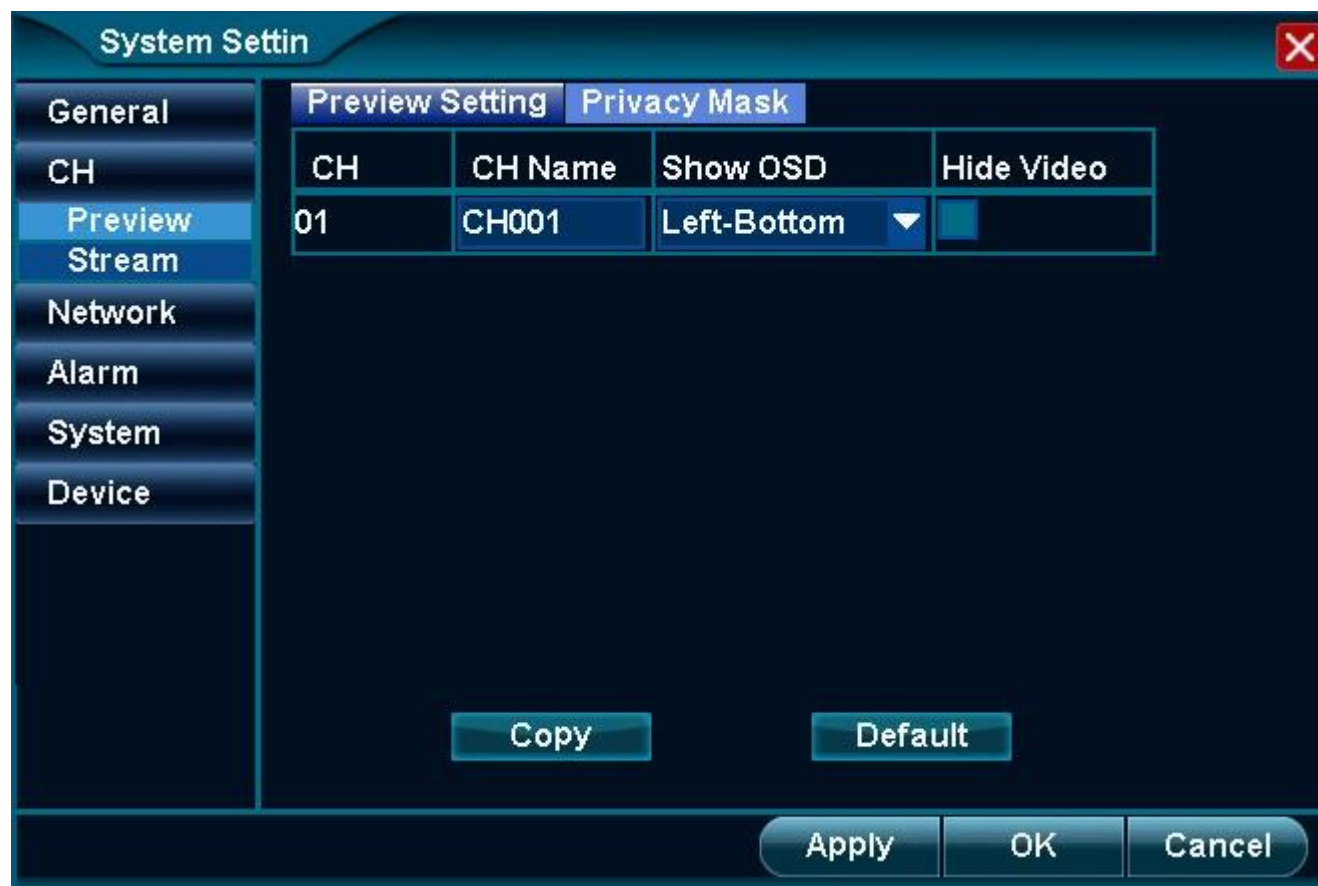
4.2.1. Preview adjustment

Function position: Channel| Preview setting

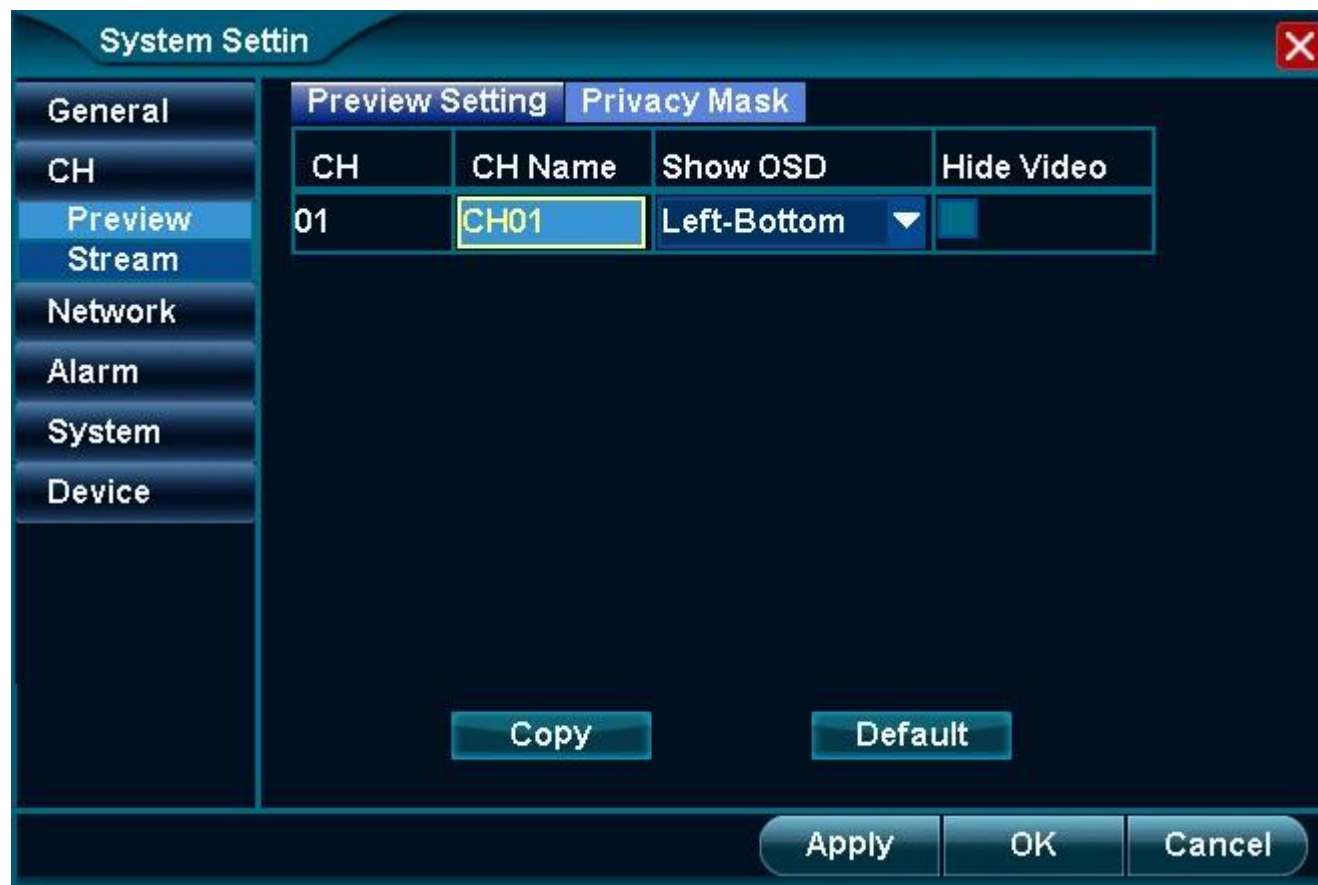
Function introduction: 1.Modify channel name;

2. Modify OSD position

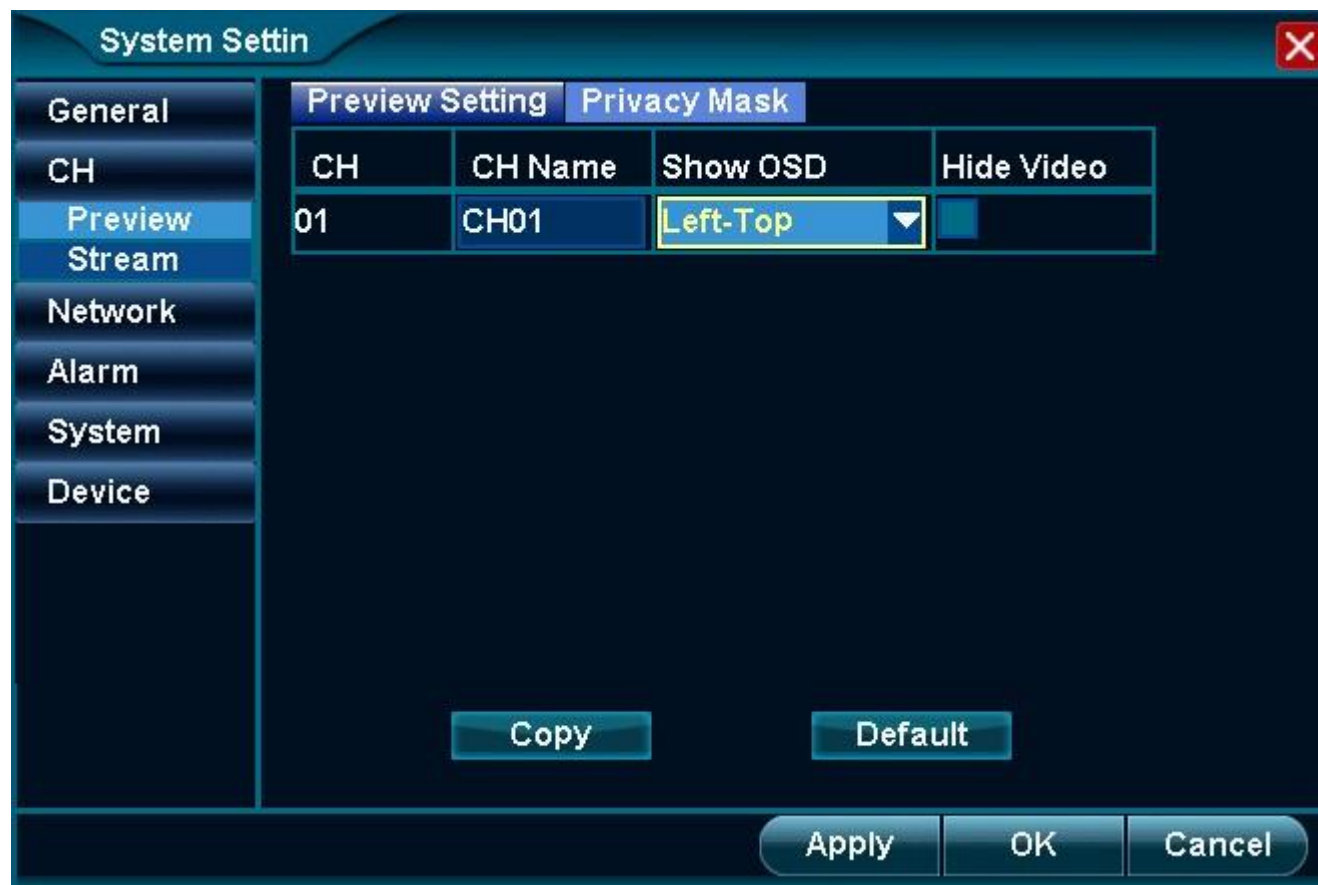
3. Hide video



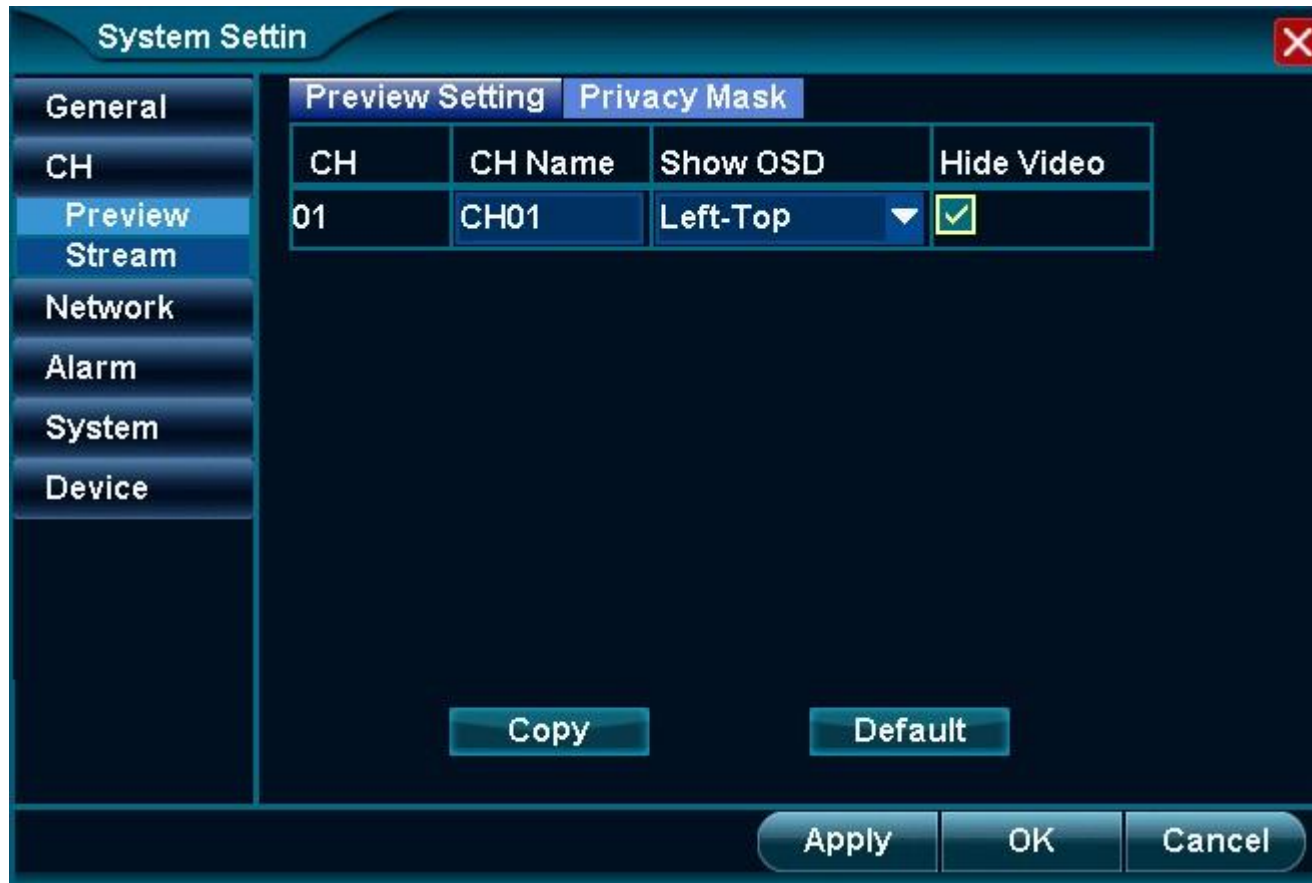
4.2.2. Modify channel name



4.2.3. Modify OSD position



4.2.4. Hide video

**Steps:**

1. Left click the box after "Hide Video"

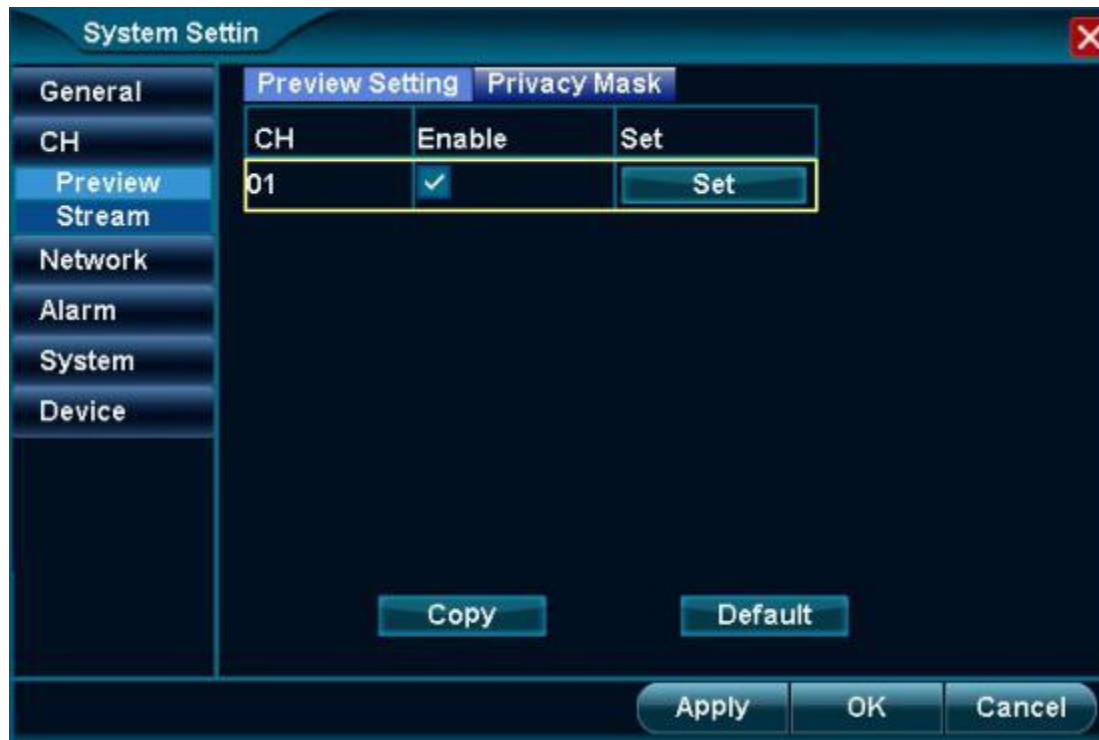
Click **【Apply】** or **【ok】** ,then preview the selected channel, that has been hided.

4.2.5. Privacy mask

Function position: Channel| Preview setting| Privacy mark

Function introduction: Hide the part of channel, max 4 privacy mark.

Step 1: Open privacy market, and start this function



1. Click **【Privacy mark】**;
2. Choose "Enable";
*Note: **【Copy】** ,other channels can have same setting.*
3. Click **【setting】**

Step 2: Setting part of privacy mask



Step 3: Ok; Apply

1. Click **【ok】**, then **【Apply】** or **【ok】**.



4.2.6. Stream setting

Function position: Channel| Stream setting

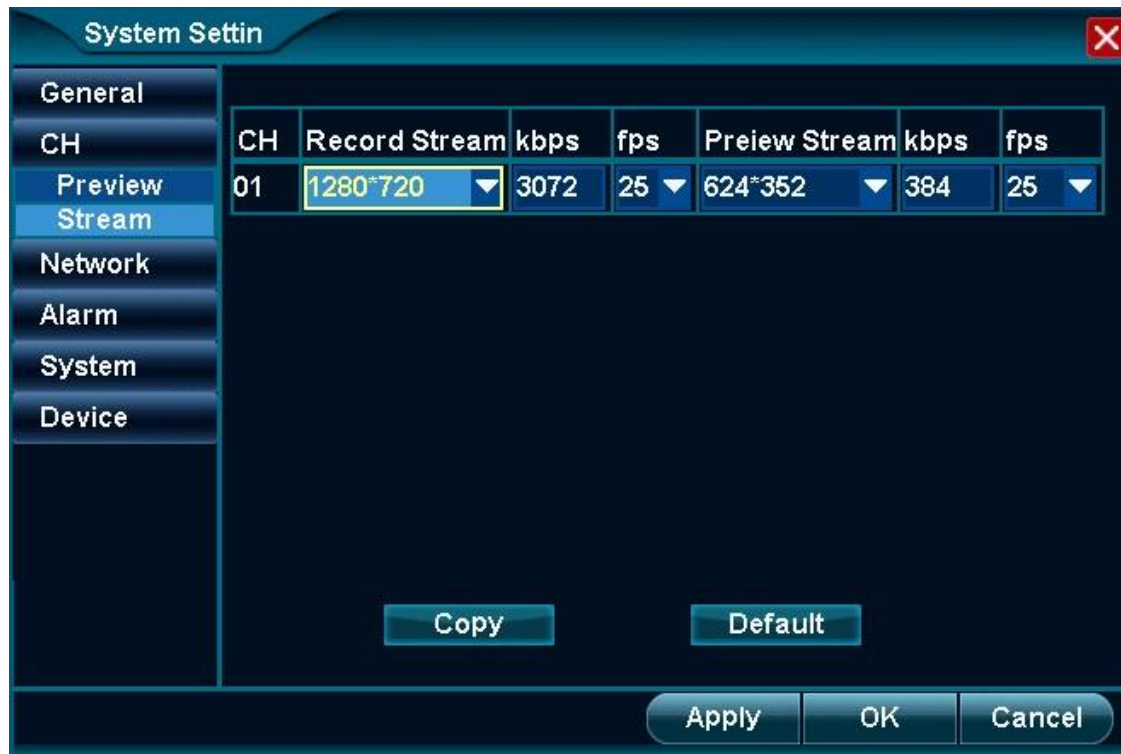
Function introduction: 1.Main stream setting—stream for local record;

2. Minor stream setting—stream for network transmission

4.2.6.1. Record stream

Function position: Channel| stream| Main stream

Function: Main stream: stream for local record; Resolution can choose No/D1/CIF,kbps can be adjusted。



Name	Choice	Introduction
Resolution	1280*720、768*432	You can choice record stream to record,more resolution more clear;
kbps	1280*720(768~8192) 768*432(512~5120)	The larger the value ,the sharper the image;
FPS	5、10、15、20、25	The larger the FPS , More fluent video

4.2.6.2. Preview stream

Function position: Channel| stream| Preview stream

Function introduction: Local preview using this stream,can choice 624*352、512*288、368*208;



4.3. Network

Function: 1.**Network setting**: Choose ADSL dial-up, wireless dial-up, DHCP gets IP automatically in LAN, Manual setting IP in LAN.
2. **Network service**: WebCC, Bi-directional talk function

4.3.1. Network connection

Function: Network| connection

Function introduction: 1.Dial-up setting;
2. DHCP gets IP automatically, Manual setting IP;

4.3.1.1. DHCP gets IP automatically

Function position: Network| network setting

Function introduction: DHCP gets IP automatically in LAN

Open DHCP steps:

1. Confirm route to open DHCP, that can be used normally
2. Choose" Automatic IP (DHCP) ";
3. Click **【Apply】** or **【ok】** It can get IP automatically

Note: when using DHCP function, it can not make manual IP etc parameters setting

System Setting

General
CH
Network
Connection
Alarm
System
Device

IP: 192.168.11.75
NetMask: 255.255.255.0
GateWay: 192.168.11.1
DNS: 202.102.128.68
MAC: E0:62:90:6A:E1:F5
Automatic(DHCP): ☒
Device Port: 9101
Device ID: B1021897
Status: Online

Apply OK Cancel

4.3.1.2. Manual setting IP

Function position: Network| network setting

Function introduction: Manual setting IP in LAN.

Manual setting steps:

1. Cancel" Automatic IP (DHCP) "function;
2. Manual writing IP/ NetMask / Gateway/DNS
3. Click 【Apply】 or 【ok】



4.3.2. 设备



The image shows a 'System Settin' window with a sidebar menu on the left and a configuration area on the right. The sidebar menu includes 'General', 'CH', 'Network', 'Connection' (highlighted), 'Alarm', 'System', and 'Device'. The configuration area displays network settings for a device. The 'Connection' section is active, showing fields for IP, NetMask, GateWay, DNS, MAC, Automatic(DHCP), Device Port, Device ID, and Status. The 'Device Port' field is highlighted with a yellow border.

Parameter	Value
IP	192.168.11.75
NetMask	255.255.255.0
GateWay	192.168.11.1
DNS	202.102.128.68
MAC	E0:62:90:6A:E1:F5
Automatic(DHCP)	☒
Device Port	9101
Device ID	B1021897
Status	Online

Buttons at the bottom: Apply, OK, Cancel.

4.3.3. Device port

Function position: Network|connection|Device port

Function introduction: When remote used this port transferring data,the port is disabled or occupied modify this value;

4.3.4. Device ID

Function position: Network|connection|Device ID

Function introduction: Clients through this number to connect to the NVR;

Connection steps:

1. Setup client and login it;
2. Put Device ID in the system,and put in the right network username and password;
3. Then click the link all button.

4.4. Alarm

Function position: System setup| Alarm

Function introduction:

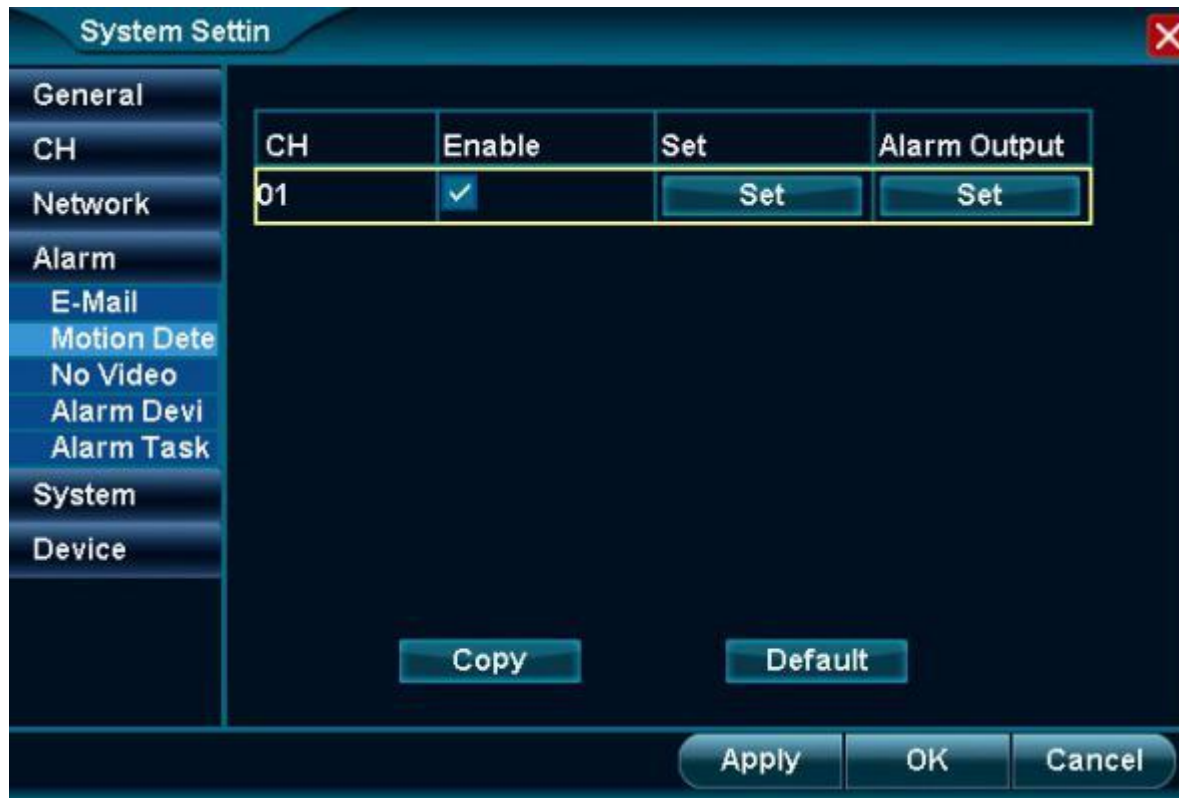
1. Open motion detection alarm, and set alarm out
2. Open No video alarm, and set alarm out
3. Open alarm device, and set alarm out
4. Set Alarm task
5. Set E-mail alert
6. Set Alarm pre-record

4.4.1. Motion detection

Function position: System setup| Alarm| Motion detection

Function introduction: When there is a move object, it can alarm and send alarm-out

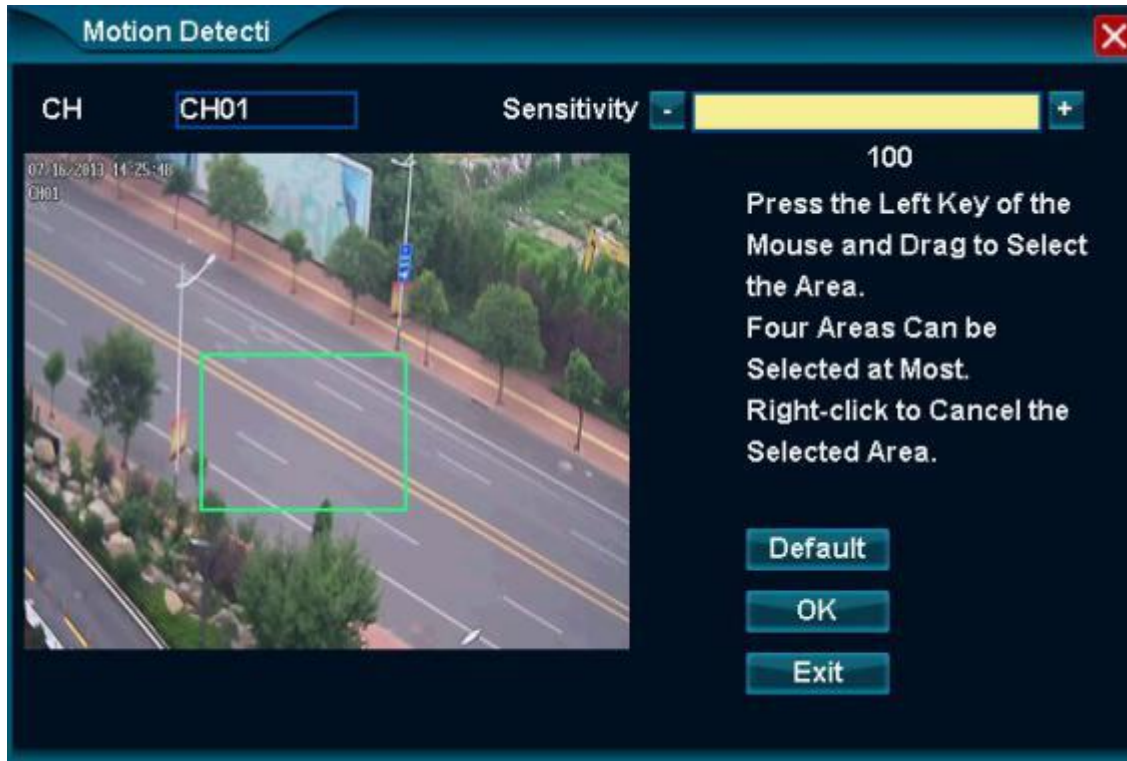
Step 1: Choose channel, open motion detection



1. Choose "Enable";

Note: 【Copy】, other channels can have same setting

2. Click 【setting】



Step 2: Set motion detection part

1. Left click image as starting
2. Left click and move mouse at the same time to choose motion detection part
3. Release left click to finish setting

Note: It only can make motion detection in selected part.

4. Repeat 1—3, and the Max motion detection parts are 4
5. Click **【ok】**, save setting

Step 3: Adjust sensibility of motion detection

1. Left click can adjust “Sensibility”

Note: The more number, the more sensible, the much easier to detect the move object

Step 4: Choose Alarm out

Alarm Output

Keep Alarm seconds

☐ Turn On The Buzzer

☐ Send To Client Video Ch

☐ E-Mail Alert

☐ Send Snapshot(Invalid On NoVideo) Video Ch

☐ Start to Record Video Ch

☐ Call Preset Video Ch

☐ Snapshot Video Ch

☐ Output Module CH

1. Click Alarm output 【setting】
2. Setting parameters:
 - ◆Keep Alarm:1-999s available
 - ◆Turn on the Buzzer: NVR will send out buzzer alarm
 - ◆Send to Client: It will send alarm to Client-end
 - ◇Video channel: the Client-end connect with this channel
 - ◆E-mail alert: It will send emails to collection box
 - ◇Send picture in attachment
 - ◆Start record: It will record the selected channels
 - ◆Call preset: It will adjust selected preset of PTZ channel
 - ◆Snapshot: It will snapshot the selected channel and save images.
 - ◆Output Module: It will open alarm for the relative device (normal close)
3. Click 【ok】 ,save setting

Step 5: Detect alarm setting

1. Touch selected channel motion detection, and it can send out alarm alert
2. Selected alarm out parameter setting work normally
3. Top menu will popup alarm coin, and record log at same time

4.4.2. No video

- 4 **Function position:** System setup| Alarm| No video
- 5 **Function introduction:** When detect no video, it will send alarm alert
- 6
- 7 **Step 1: Choose channel, and open no video detection**

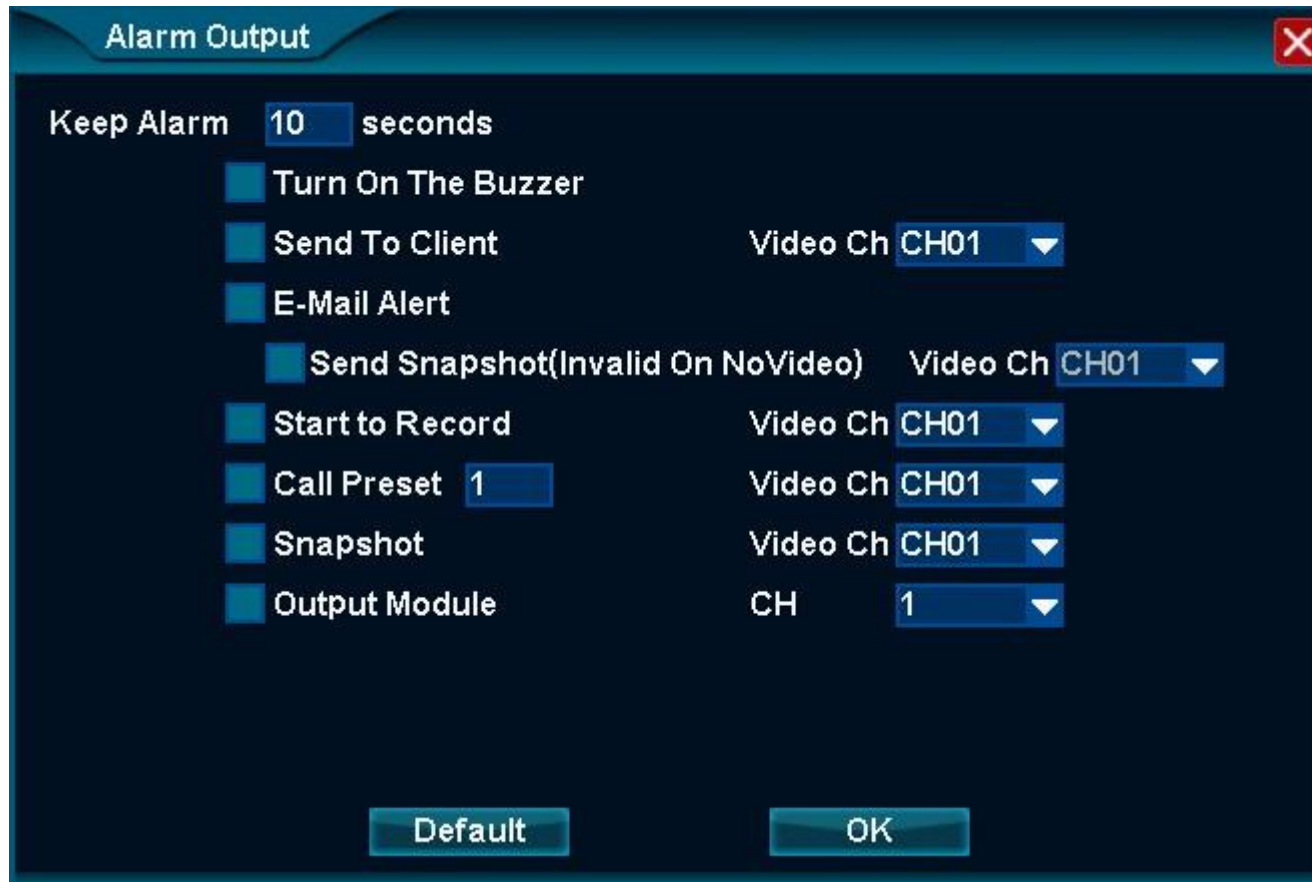


1. Choose "Enable";

Note: **Copy**, other channels can have same setting

2. Click **set**

Step 2: Setting parameter



The image shows a software window titled "Alarm Output" with a red close button in the top right corner. The window contains several configuration options, each with a checkbox and a label. The "Keep Alarm" option is set to "10 seconds". The "Turn On The Buzzer" option is checked. The "Send To Client" option is checked, and the "Video Ch" dropdown is set to "CH01". The "E-Mail Alert" option is checked. The "Send Snapshot(Invalid On NoVideo)" option is checked, and the "Video Ch" dropdown is set to "CH01". The "Start to Record" option is checked, and the "Video Ch" dropdown is set to "CH01". The "Call Preset" option is checked, and the "Call Preset" dropdown is set to "1". The "Snapshot" option is checked, and the "Video Ch" dropdown is set to "CH01". The "Output Module" option is checked, and the "CH" dropdown is set to "1". At the bottom of the window, there are two buttons: "Default" and "OK".

Alarm Output

Keep Alarm 10 seconds

☒ Turn On The Buzzer

☒ Send To Client Video Ch CH01 ▼

☒ E-Mail Alert

☒ Send Snapshot(Invalid On NoVideo) Video Ch CH01 ▼

☒ Start to Record Video Ch CH01 ▼

☒ Call Preset 1 Video Ch CH01 ▼

☒ Snapshot Video Ch CH01 ▼

☒ Output Module CH 1 ▼

Default OK

1.Setting parameters:

- ◆ Keep Alarm:1-999s available
- ◆ Turn on the Buzzer: NVR will send out buzzer alarm
- ◆ Send to Client: It will send alarm to Client-end

◇Video channel: the Client-end connect with this channel

◆E-mail alert: It will send emails to collection box

◇Send picture in attachment

◆Start record: It will record the selected channels

◆Call preset: It will adjust selected preset of PTZ channel

◆Snapshot: It will snapshot the selected channel and save images.

◆Output Module: It will open alarm for the relative device (normal close)

2.Click **【ok】** ,save setting

Step 3: Detect Alarm setting

1. Disconnected with the selected channel
2. Selected alarm out parameter setting work normally
3. Top menu will popup alarm coin, and record log at same time

4.4.3. Alarm device

Function position: System setup| Alarm| Alarm device

Function introduction: When touch alarm device, it will send alarm out.

Step 1: Choose “Alarm output”

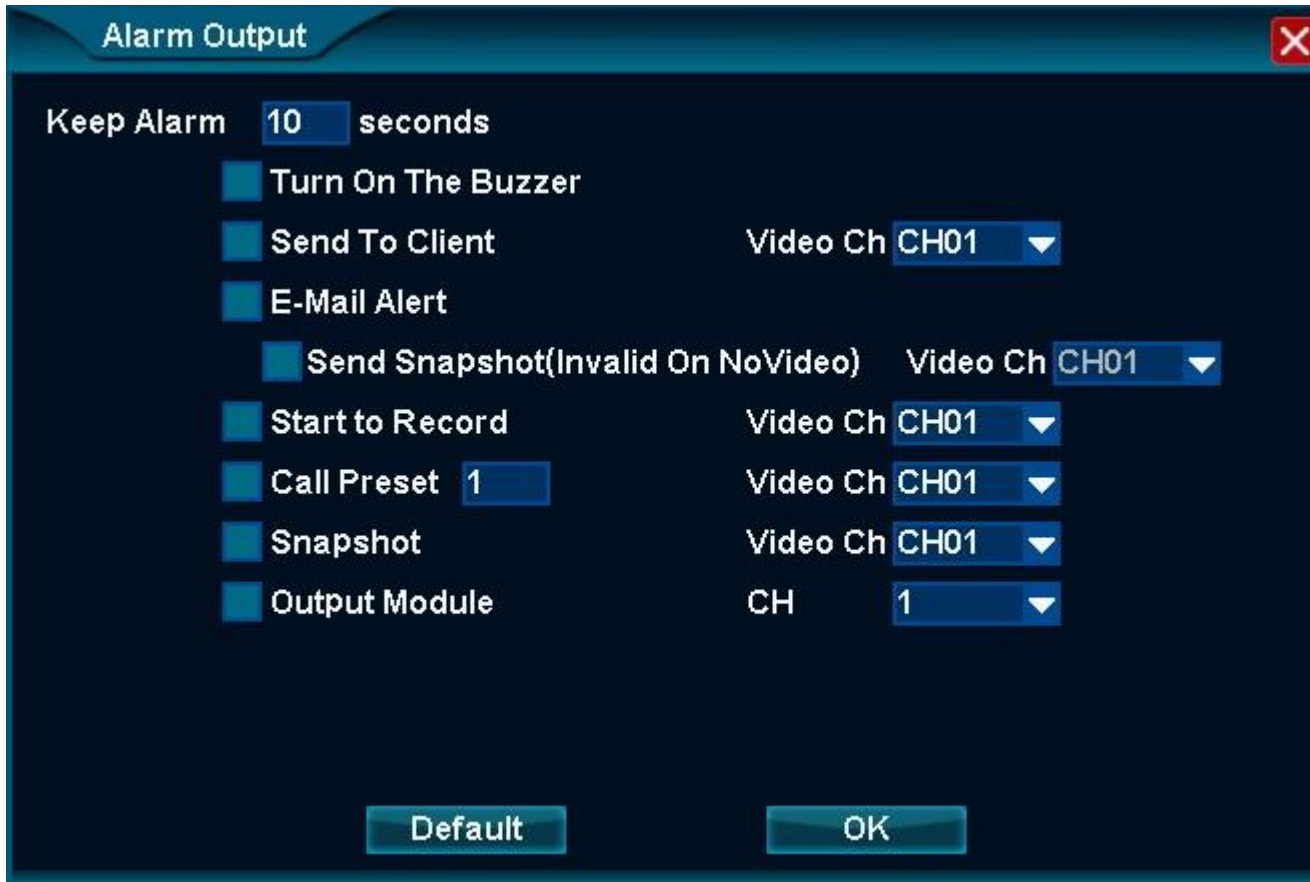


1. Choose "Addr"

Note: Please choose the relative addr of alarm device

2. Choose "BR" type

Note: Please write the relative BR of alarm device

Step 2: Setting alarm output parameter 1The image shows a software window titled "Alarm Output" with a red close button in the top right corner. The window has a dark blue background with white text. It contains several settings, each preceded by a small blue square icon. The settings are: "Keep Alarm" with a value of "10" and the unit "seconds"; "Turn On The Buzzer"; "Send To Client" with a "Video Ch" dropdown menu set to "CH01"; "E-Mail Alert"; "Send Snapshot(Invalid On NoVideo)" with a "Video Ch" dropdown menu set to "CH01"; "Start to Record" with a "Video Ch" dropdown menu set to "CH01"; "Call Preset" with a value of "1" and a "Video Ch" dropdown menu set to "CH01"; "Snapshot" with a "Video Ch" dropdown menu set to "CH01"; and "Output Module" with a "CH" dropdown menu set to "1". At the bottom of the window, there are two buttons: "Default" and "OK".

Alarm Output

Keep Alarm 10 seconds

☐ Turn On The Buzzer

☐ Send To Client Video Ch CH01 ▼

☐ E-Mail Alert

☐ Send Snapshot(Invalid On NoVideo) Video Ch CH01 ▼

☐ Start to Record Video Ch CH01 ▼

☐ Call Preset 1 Video Ch CH01 ▼

☐ Snapshot Video Ch CH01 ▼

☐ Output Module CH 1 ▼

Default OK

1. Click **【set】**
2. Setting Alarm output parameters:
 - ◆Keep Alarm:1-999s available

- ◆ Turn on the Buzzer: NVR will send out buzzer alarm
- ◆ Send to Client: It will send alarm to Client-end
 - ◇ Video channel: the Client-end connect with this channel
- ◆ E-mail alert: It will send emails to collection box
 - ◇ Send picture in attachment
- ◆ Start record: It will record the selected channels
- ◆ Call preset: It will adjust selected preset of PTZ channel
- ◆ Snapshot: It will snapshot the selected channel and save images.
- ◆ Output Module: It will open alarm for the relative device (normal close)

2. Click 【ok】 , save setting

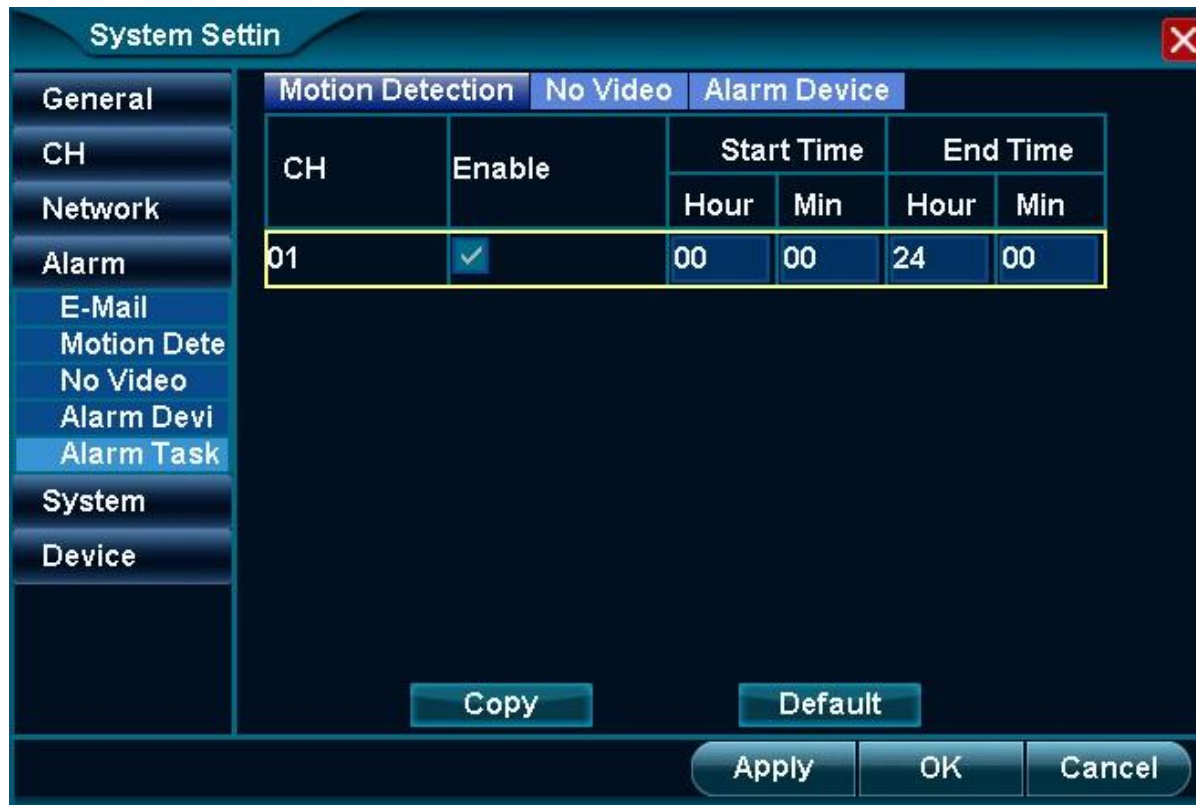
Step 4: Detect Alarm device

1. Touch alarm device
2. Selected alarm out parameter setting work normally
3. Top menu will popup alarm coin, and record log at same time

4.4.4. Alarm task

Function position: System setup| Alarm| Alarm task

Function introduction: It only send alarm output in preset time



Steps:

1. Choose "Alarm types"; "Motion detect/no video/Alarm Device" are available
2. Choose "Enable"
3. Modify "Start time", "End time";
[Note: It only send alarm output in preset time.](#)
4. Click **【Apply】** or **【ok】**, save setting

4.4.5. E-mail alert

Function position: System setup| Alarm| E-mail

Function introduction: setting email alert parameters: sender setting, receiver setting, Interval etc

**Step 1: Sender setting**

1. Choose "SMTP";

Note: can manual writing or choose exist email server

2. Write user name and password
3. Modify" Interval" (1~99Min);
4. Click **【Apply】** ,save setting

Step 2: Receiver setting

1. Write email address in "Receiver Site"
2. Click **【Add】**, then can add new receiver into list
3. Click **【Apply】** or **【ok】** ,save setting

Step 3: Mail Testing

1. Click **【Mail Testing】**;
2. Detect the emails in collection box

4.5. System

Function position: System setup| System

Function introduction:

- 1.**Log:** Search, NVR log backup; Log:
 2. Maintenance: Reboot setup, software update, import/export setting
- 3.**Informatoin:** Search NVR hardware/software information

4. 5. 1. Log:

Function position: System| Log

Function introduction: 1. Search NVR operation log

2. Save the eligible logs into U disk



4.5.1.1. Log query

4. 5. 2.

Step: Query this NVR's log

1. Select log type, eg system operation, login, etc.
2. Change query time

Note: Don't select above "Time", it will query all logs.

3. Click and select log, Single-click" Detail" to read more information.

4. 5. 2. 1. Log backup

Step: Backup log into U-disk.

1. Insert FAT32 format U-Disk
2. Query qualified log.
3. Click "Backup" button to backup the log into U-Disk.

4. 5. 3. Maintenance

Function:

1. Time reboot: This NVR can be set reboot.
2. Software update: U-Disk, FTP server or website can be selected for update.
3. Import/Export setting: Export this NVR's setting into U-Disk. Import U-Disk' setting into this NVR.

4. 5. 3. 1. Time Reboot

Location: System Setup | Maintenance | Reboot

Function: The reboot function is used to prevent from overmuch file fragments. There will be lots of file fragments at NVR system when it is in long-time running.



Step: Enable Time Reboot function

1. Select reboot date at "Reboot Setup". It takes week as standard.
2. Set reboot time, eg, 23:00.
3. Click "Apply" or "OK" to save setting.

4.5.3.2. Software update

Location: System Setup | Maintenance | Update

Function: The software can be updated through USB, FTP or online update.

Note: When it is updated, the electric power can not be powered off, otherwise it will make the NVR unable to work..

4.5.3.2.1. USB update



Step:

1. Put updated files at FAT32 format U-Disk. These two files should be placed at root directory at U-Disk. Then insert the U-Disk into NVR's USB port.
2. Select USB at "Update type".
3. Click "Update" button to finish this work.

Note: After update is finished, it will automatically reboot the NVR. When the NVR is started, it is the latest version.

4.5.3.2.2. FTP update



Step:

1. Place updated file at root directory at FTP server.
2. Select FTP at "Update type".
3. Modify "Server" address into FTP server's IP address.
4. Click "Update" button to finish this work.

Note: After update is finished, it will automatically reboot the NVR. When the NVR is started, it shall be the latest version.

4.5.3.2.3. HTTP online update



Step:1. Make sure the NVR is connected with internet.

2. Select "HTTP" at "Update type".
3. Select update server at "Server".
4. Click "Update" button to finish this work

Note: After update is finished, it will automatically reboot the NVR. When the NVR is started, it shall be the latest version.

4.5.3.3. Reset factory

Location: System Setup |Maintenance| Reset factory

Function: All setting at this NVR can be restore factory setting.



Step: 1. Click "Reset Factory".

2. Click "Ok" at confirmation interface to reboot the NVR and then all original factory settings are restored.

4.5.4. Information:

Location: System Setup|Maintenance|Information

Function: It can be used to query this NVR's serial number, software version's information or hardware version's information.



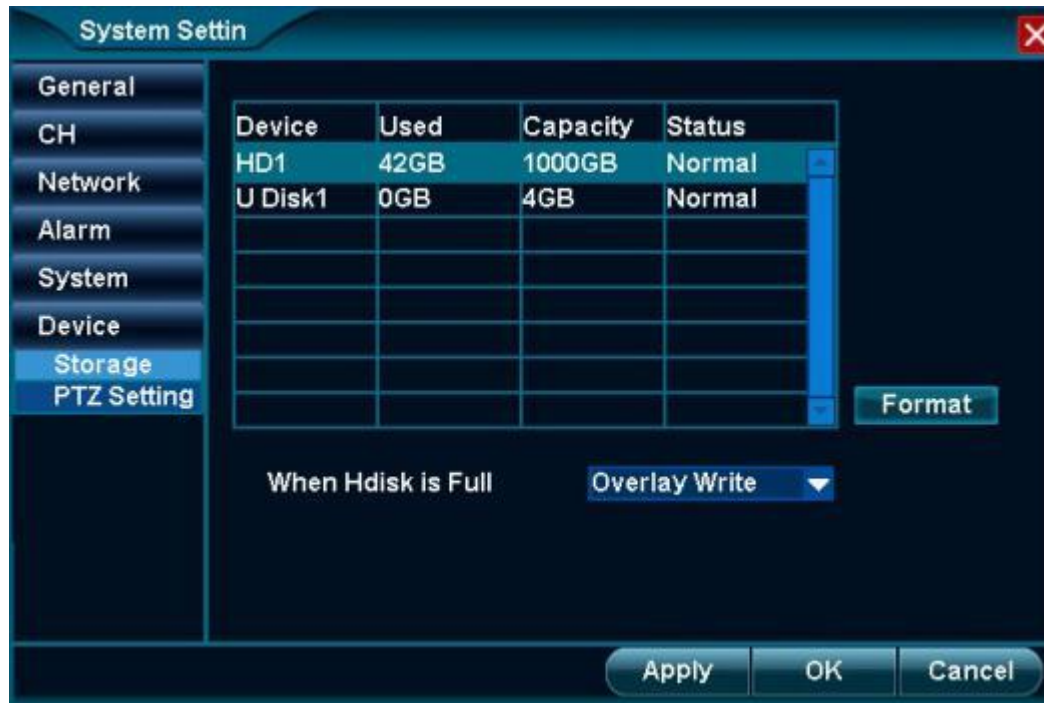
4.6. Device

4.6.1. Storage

Location: Device|Storage

Function: 1.Query the inserted magnetic disk or hard disk's working mode.

Format inserted hard disk or U-Disk.



4.6.1.1. Hard disk(Hdisk is named in interface) working mode



When it is "Hdisk is full", please select "Overlay" or "Stop Recording".

Explanation of Hard disk working model

Working

explanation

mode	
Overlay	When capacity is not enough, delete earlier video files.
Stop recording	The reserved capacity can be set. When it is not enough, the video recording will be stopped.

4.6.1.2. Format

Step:

1. Click and select magnetic disk in the list.
2. Click "Format".
3. Click "OK" at confirmation interface.
4. The formatted magnetic disk can be used for storage or backup.

4.6.2. PTZ



4.6.2.1. PTZ adjustment

Step 1:

1. Click “Seting” at each channel to open the setting interface.
2. Input PTZ’s address, protocol and BP.
3. Click “OK”to save above setting.

Step2: PTZ control interchange



4.6.2.2. Presetting point

Step1:Open presetting interface.



1. Select PTZ channel.
2. Click "Setting" | "Preset" to open presetting interface.

Step 2: Add presetting point



1. Click PTZ direction button and select visual angle.
2. Input new preset series number at "Preset".
3. Click "Add" to add new preset point into the list.

Note: Click existing preset point in the list. Click "Delete" to delete selected point.

Step3: Call preset point(Menu function)



1. right-click menu or main menu to open "PTZ control" | "More".
2. Select preset point from preset point list.
3. Click "Goto" to make PZT visual angle turn to this point location.

4. 6. 2. 3. Patrol

Step 1: Open patrol setting interface.



1. Select PTZ channel
2. Click "Set" | "Patrol" to open patrol interface.

Step 2: Add preset point into patrol

The screenshot shows a software window titled "Cruise" with a red close button in the top right corner. Inside the window, there is a table with two columns: "Preset" and "Stay Time". The table contains two rows of data: the first row has "1" in the "Preset" column and "10" in the "Stay Time" column; the second row has "2" in the "Preset" column and "1" in the "Stay Time" column. Below the table, there are two input fields: "Preset" with a dropdown menu showing "2" and a downward arrow, and "Time" with a text box containing "1". To the right of these fields are two buttons: "Add" and "Delete". At the bottom of the window, there are two more buttons: "Save" and "Exit".

Preset	Stay Time
1	10
2	1

Preset: 2 ▼ Time: 1

Buttons: Add, Delete, Save, Exit

1. Select preset point from preset point list.
Adjust detention time at this preset point
2. Click "Add" to add this preset point into patrol.
3. [Note: Click existing preset point in the list. Click "Delete" to delete selected point.](#)
4. Click "Save" to save above setting.

Step 3: Call patrol to cruise

